

Amendments to the Claims

Please cancel Claims 1-11, 13, 15, 17-32, 34, 36 and 38-43. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1-11. Cancelled.

12. (Previously presented) A method for managing transmission constraints based on subscriber device capabilities comprising:

- determining a set of device capabilities corresponding to a transceiver device;
- registering the device capabilities with a central wireless transceiver device;
- computing a set of transmission constraints based on the device capabilities; and
- applying the transmission constraints corresponding to the transceiver device to transmissions between the transceiver device and the central transceiver device, wherein the device capabilities further include antenna characteristics, wherein the antenna characteristics include characteristics selected from the group consisting of omnidirectional, one degree of freedom, and multiple degrees of freedom, wherein applying the transmission constraints include allocating a greater data rate to a subscriber corresponding to an antenna having at least one degree of freedom than to a subscriber corresponding to an omnidirectional antenna.

13. Cancelled.

14. (Previously presented) A method for managing transmission constraints based on subscriber device capabilities comprising:

- determining a set of device capabilities corresponding to a transceiver device;
- registering the device capabilities with a central wireless transceiver device;
- computing a set of transmission constraints based on the device capabilities; and
- applying the transmission constraints corresponding to the transceiver device to transmissions between the transceiver device and the central transceiver device, wherein

the device capabilities include parameters selected from the group consisting of fixed, mobile, and pedestrian, wherein the power level is 23dBm when the device capabilities indicate mobile.

15. Cancelled.

16. (Previously presented) A method for managing transmission constraints based on subscriber device capabilities comprising:

- determining a set of device capabilities corresponding to a transceiver device;
- registering the device capabilities with a central wireless transceiver device;
- computing a set of transmission constraints based on the device capabilities; and
- applying the transmission constraints corresponding to the transceiver device to transmissions between the transceiver device and the central transceiver device, wherein the device capabilities include parameters selected from the group consisting of fixed, mobile, and pedestrian, wherein the transmission constraints include a power level greater than 23dBm when the device capabilities indicate fixed.

17-32. Cancelled.

33. (Previously presented) A system for managing transmission constraints in a wireless network comprising:

- a plurality of wireless transceiver devices operable to transmit and receive wireless messages, the wireless transceiver devices having device capabilities;
- a registration manager operable to compute transmission constraints for the wireless transceiver devices based on the device capabilities; and
- a capacity manager operable to apply the transmission constraints to at least one of the wireless transceiver devices, wherein the device capabilities further include antenna characteristics, wherein the antenna characteristics include characteristics selected from the group consisting of omnidirectional, one degree of freedom, and multiple degrees of freedom, wherein the transmission constraints include allocating

greater data rate to a subscriber corresponding to an antenna having at least one degree of freedom than to a subscriber corresponding to an omnidirectional antenna.

34. Cancelled.
35. (Previously presented) A system for managing transmission constraints in a wireless network comprising:
 - a plurality of wireless transceiver devices operable to transmit and receive wireless messages, the wireless transceiver devices having device capabilities;
 - a registration manager operable to compute transmission constraints for the wireless transceiver devices based on the device capabilities; and
 - a capacity manager operable to apply the transmission constraints to at least one of the wireless transceiver devices, wherein the device capabilities include parameters selected from the group consisting of fixed, mobile, and pedestrian, wherein the transmission constraints limit the power level to 23dBm when the device capabilities indicate mobile.
36. Cancelled.
37. (Previously presented) A system for managing transmission constraints in a wireless network comprising:
 - a plurality of wireless transceiver devices operable to transmit and receive wireless messages, the wireless transceiver devices having device capabilities;
 - a registration manager operable to compute transmission constraints for the wireless transceiver devices based on the device capabilities; and
 - a capacity manager operable to apply the transmission constraints to at least one of the wireless transceiver devices, wherein the device capabilities include parameters selected from the group consisting of fixed, mobile, and pedestrian, wherein the transmission constraints include a power level greater than 23dBm when the device capabilities indicate fixed.

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- 5 -

38-43. Cancelled.